

AMENDMENT OF THE SPECIFICATION:

Amend the Abstract as follows:

A system (100) for transporting electric energy in superconductivity conditions includes ~~is described, which comprises~~ a superconducting cable (13) including superconducting material, and a cryogenic plant (1) for cooling said superconducting cable (13) below the critical temperature of the ~~said~~ material, comprising: a) a circuit (2) for circulating a first refrigerating fluid having a first predetermined temperature lower than the critical temperature of the superconducting material, from and to the superconducting cable (13); b) a refrigerating circuit (3) for cooling a second refrigerating fluid to a second predetermined temperature lower than the temperature of the first refrigerating fluid; c) a heat exchange unit (31) for effecting a heat exchange between the ~~said~~ first and second refrigerating fluids, which is characterized in that the ~~said~~ heat exchange unit (31) is provided with a storage unit (4) of a third refrigerating fluid having a third predetermined temperature lower than the temperature of the first refrigerating fluid and being in heat exchange relationship with the ~~said~~ first and second fluids.

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